

U.S.S.N. 10/827,196

In the Specification

Please amend the Specification as follows:

U.S.S.N. 10/827,196

Amendment to the SpecificationRECEIVED
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OCT 16 2007

Please amend paragraphs 004 and 005 as follows:

[004] Accordingly, the present invention provides a pointing device with a locus smoothing function, comprising a locus processing circuit receiving a digitized displacement and executing an accumulation procedure to generate an accumulated value of displacement, in which the digitized displacement comprises a plurality of directional displacements having at least a first directional displacement and a second directional displacement, the accumulated value comprises a plurality of directional accumulated values having at least a first directional accumulated value and a second directional accumulated value, and the accumulation procedure accumulates the first directional displacement to yield the first directional accumulated value, and the second directional displacement to yield the second directional accumulated value, wherein when the accumulated value satisfies a preset condition, the accumulated value is output to a processing device for smoothing a locus of a pointer on a display device and a reset procedure is executed to reset the accumulated value. Preferably, the preset condition is thus: that the first

U.S.S.N. 10/827,196

directional accumulated value is not equal to a first preset value and the second directional accumulated value is not equal to a second preset value such that the first preset value is 0 and the second preset value is 0."

[005] The present invention also provides a locus smoothing method, appropriate for a pointing device, comprising the steps of receiving a digitized displacement and executing an accumulation procedure to generate an accumulated value of displacement, in which the digitized displacement comprises a plurality of directional displacements having at least a first directional displacement and a second directional displacement, the accumulated value comprises a plurality of directional accumulated values having at least a first directional accumulated value and a second directional accumulated value, and the accumulation procedure accumulates the first directional displacement to yield the first directional accumulated value, and the second directional displacement to yield the second directional accumulated value, and determining whether the accumulated value satisfies a preset condition, if so, the accumulated value is output to a processing device for smoothing

U.S.S.N. 10/827,196

a locus of a pointer on a display device and a reset procedure is executed to reset the accumulated value. Preferably, the preset condition is thus: that the first directional accumulated value is not equal to a first preset value and the second directional accumulated value is not equal to a second preset value such that the first preset value is 0 and the second preset value is 0."